

AMENDMENTS TO THE CLAIMS

Please **AMEND** the claims as shown below. This listing of claims will replace all prior versions of claims in the application.

1. (Currently Amended) A feeding pump device of volume tube continually metering type comprising:

a single volume tube [[(1)]] having a metering volume section [[(11)]] defined therein; a dragging mechanism [[(2)]]; two unilateral inlet valves [[(8)]] and two unilateral outlet valves [[(7)]] in two respective ends of an inner wall of the single volume tube thereof respectively; and a piston (9), wherein the piston (9) is connected to the dragging mechanism [[(2)]].

2. (Currently Amended) A feeding pump device of volume tube continually metering type of claim 1, wherein a grating ruler [[(4)]] is set on a moving route of a dragging rod of the mentioned piston [[(9)]].

3. (Currently Amended) A feeding pump device of volume tube continually metering type of claim 2, wherein the mentioned dragging mechanism [[(2)]] also includes a servo motor [[(22)]], a belt gear [[(21)]], a lead screw [[(23)]] and a lead screw nut [[(25)]], which are mechanically connected such that the servo motor [[(22)]] turns the belt gear [[(21)]] which rotates the lead screw [[(23)]], which move the lead screw nut [[(25)]].

4. (Currently Amended) A feeding pump device of volume tube continually metering type of claim 3, wherein a casing pipe [[(6)]] connected with the lead screw [[(23)]] and with the ~~mentioned~~ piston [[(9)]] is independent of the lead screw [[(23)]].

5. (Currently Amended) A feeding pump device of volume tube continually metering type of claim 4, wherein the ~~mentioned~~ dragging mechanism [[(2)]] is a linear motor.